

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120848.D
 Acq On : 10 Jul 2020 23:31
 Operator : JU/CG
 Sample : L3184-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

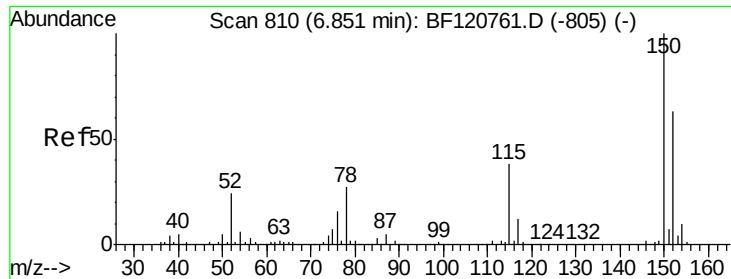
Quant Time: Jul 11 01:56:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	180874	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	651444	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	304241	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	471791	20.00	ng	0.00
76) Chrysene-d12	14.01	240	379234	20.00	ng	0.00
86) Perylene-d12	15.47	264	447542	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	243970	20.82	ng	0.00
7) Phenol-d6	6.46	99	287962	19.24	ng	-0.01
23) Nitrobenzene-d5	7.40	82	170181	15.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	49430	16.17	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	342216	17.02	ng	0.00
79) Terphenyl-d14	12.96	244	276074	14.25	ng	0.00

Target Compounds				Qvalue		
25) Isophorone	7.40	82	167153	6.893	ng	# 65
26) 2-Nitrophenol	7.75	139	378	4.034	ng	# 1
32) Benzoic acid	7.93	122	133	4.242	ng	# 1
48) 2-Nitroaniline	9.44	65	117	2.638	ng	# 1
50) Dimethylphthalate	9.60	163	58006	2.614	ng	# 98
51) 2,6-Dinitrotoluene	9.60	165	1539	2.610	ng	# 49
53) 3-Nitroaniline	9.84	138	431	2.240	ng	# 41
56) 4-Nitrophenol	9.99	139	884	2.303	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	41231	10.098	ng	# 15
71) Phenanthrene	11.39	178	106308	4.153	ng	99
75) Fluoranthene	12.58	202	202879	7.440	ng	99
78) Pvrene	12.81	202	171053	5.648	ng	98
81) Benzo(a)anthracene	14.00	228	98856	4.067	ng	97
83) Chrysene	14.03	228	77212	3.114	ng	96
88) Benzo(b)fluoranthene	15.04	252	152145	5.171	ng	# 92
89) Benzo(k)fluoranthene	15.04	252	152145	5.314	ng	# 92
90) Benzo(a)pvrene	15.41	252	84525	3.220	ng	# 94
92) Benzo(g,h,i)perylene	17.36	276	47060	2.152	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

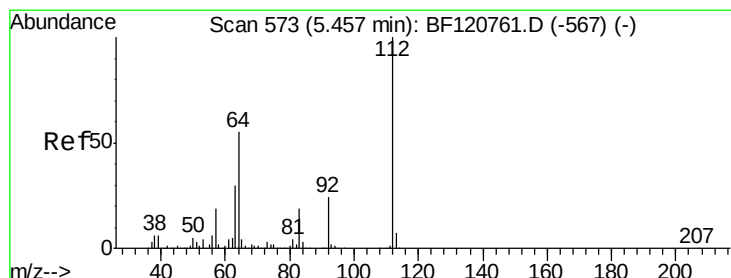
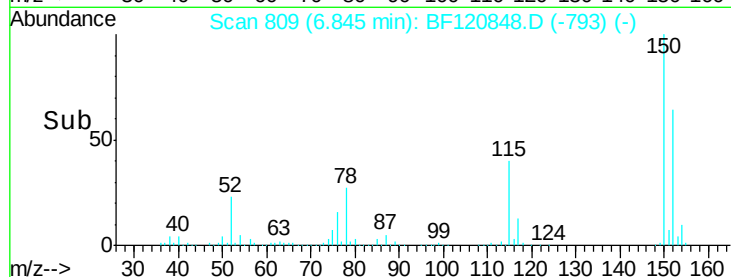
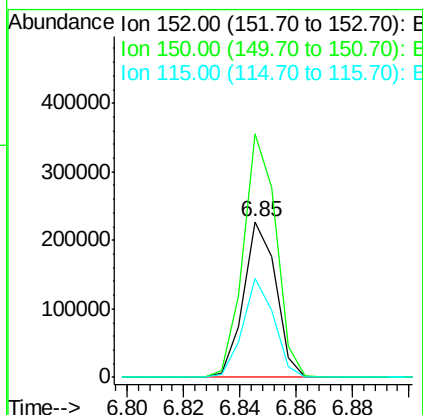
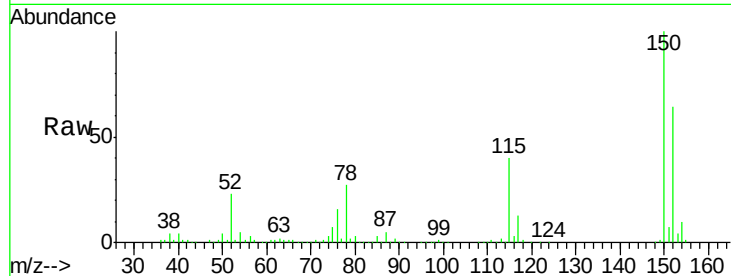


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

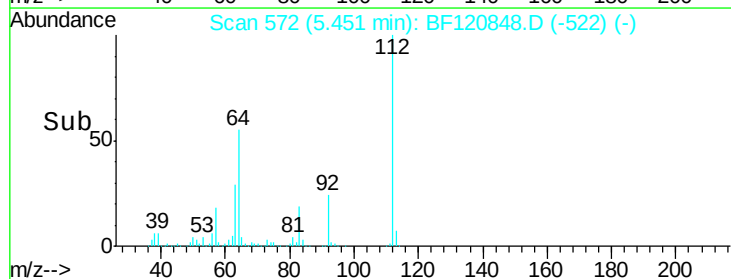
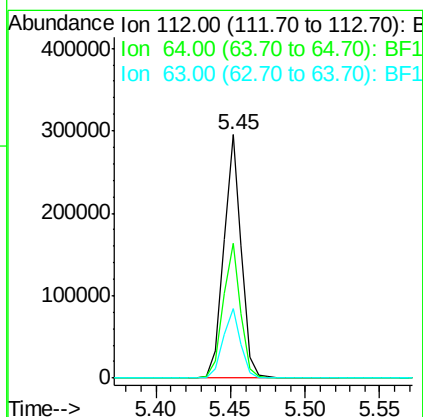
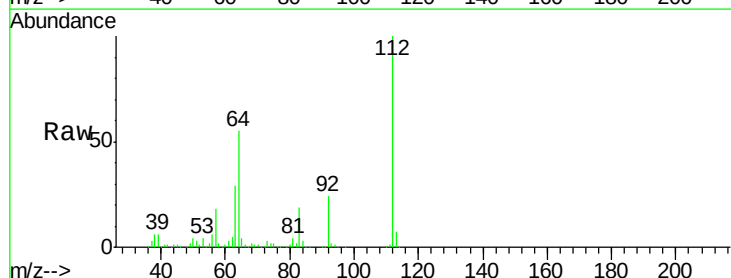
Tot Ion:152 Resp: 180874
Ion Ratio Lower Upper
152 100
150 156.8 126.1 189.1
115 63.3 48.5 72.7

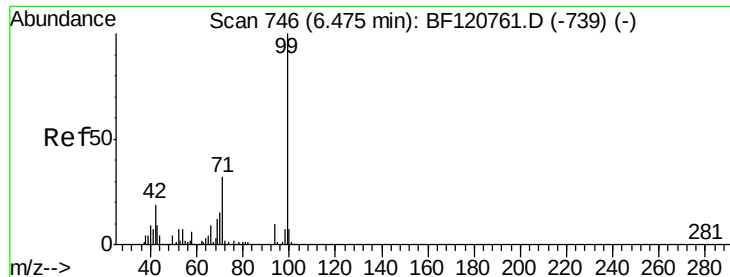


#5

2-Fluorophenol
Concen: 20.821 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:112 Resp: 243970
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.6
63 28.8 23.6 35.4





#7

Phenol-d6

Concen: 19.244 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

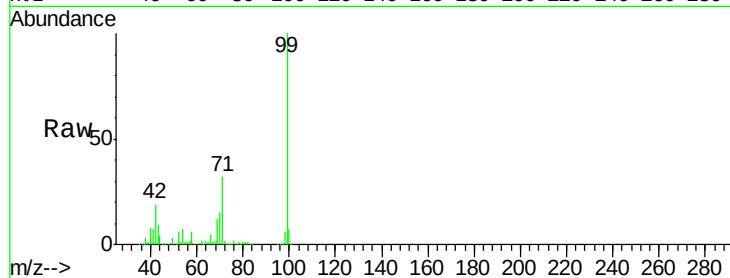
Tot Ion: 99 Resp: 287962

Ion Ratio Lower Upper

99 100

42 18.6 15.4 23.0

71 31.9 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

6.46

400000

300000

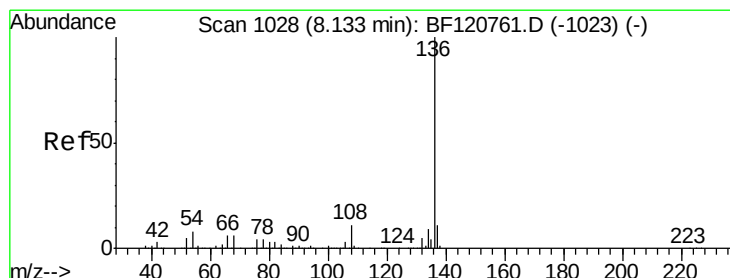
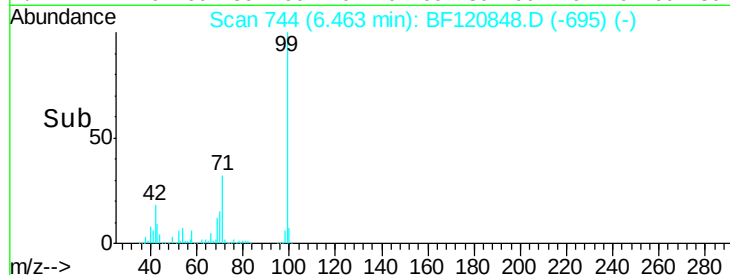
200000

100000

0

6.40 6.45 6.50 6.55 6.60

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Tgt Ion: 136 Resp: 651444

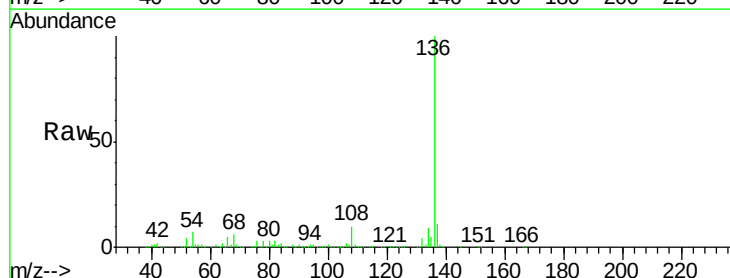
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 6.9 6.2 9.4

68 5.6 4.7 7.1



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

8.13

1200000

1000000

800000

600000

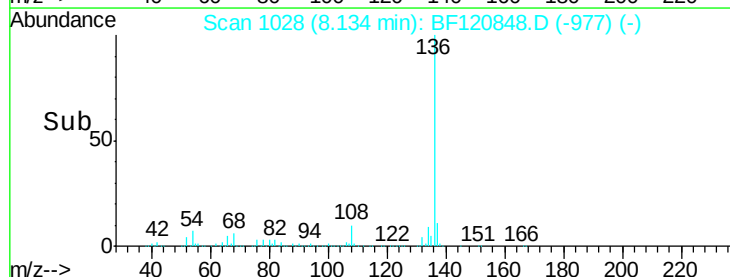
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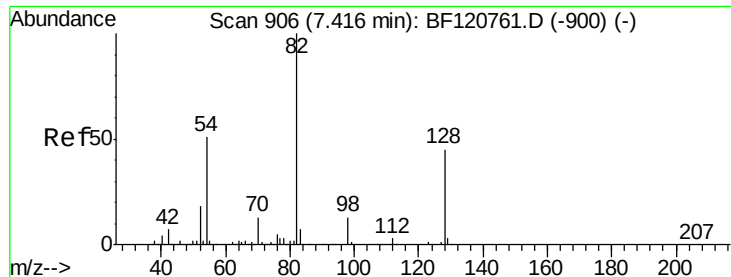
200000

0

8.10 8.15

Time-->





#23

Nitrobenzene-d5

Concen: 15.135 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

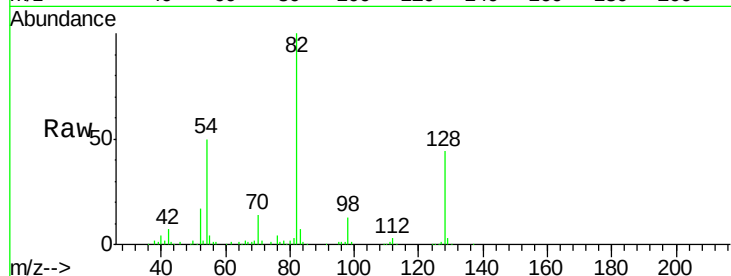
Tot Ion: 82 Resp: 170181

Ion Ratio Lower Upper

82 100

128 44.5 35.7 53.5

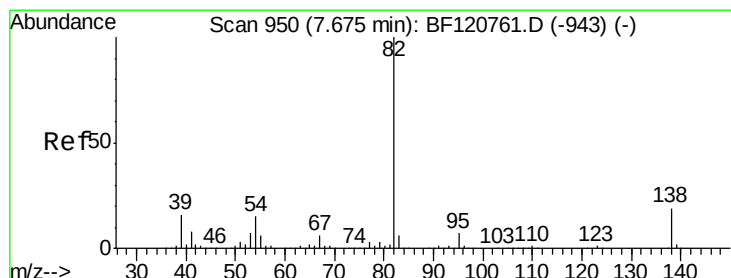
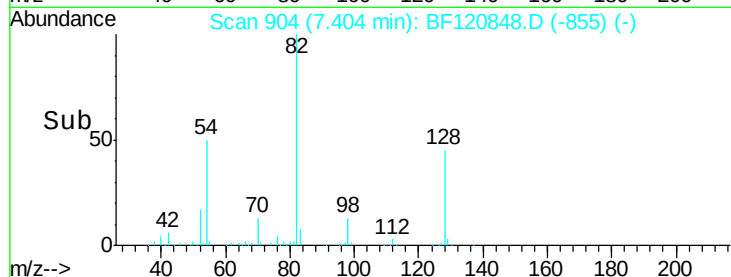
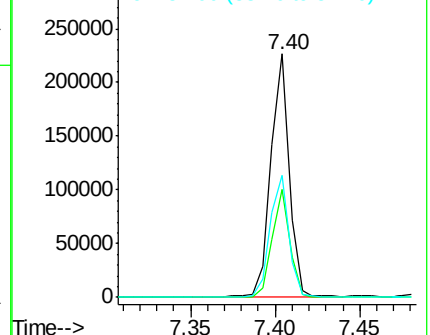
54 50.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 6.893 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

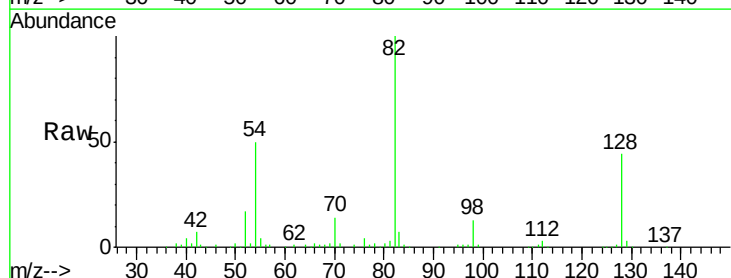
Tgt Ion: 82 Resp: 167153

Ion Ratio Lower Upper

82 100

95 0.7 5.4 8.2#

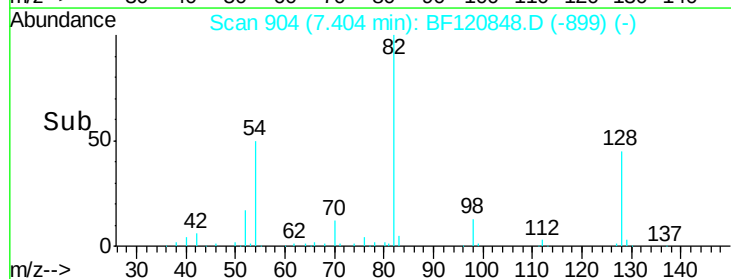
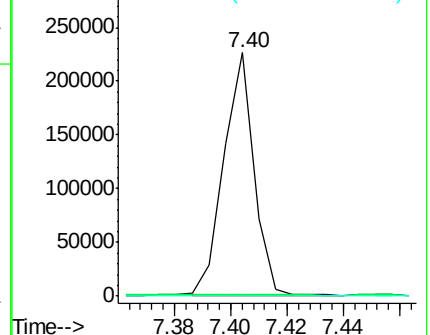
138 0.0 15.0 22.4#

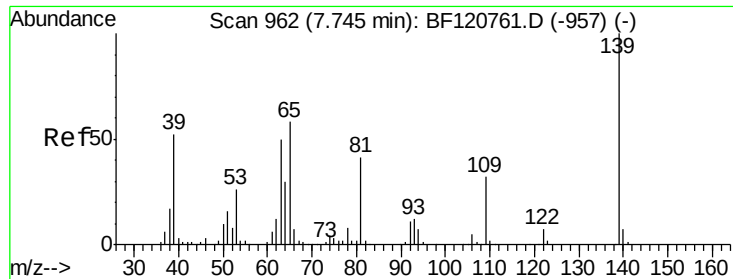


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

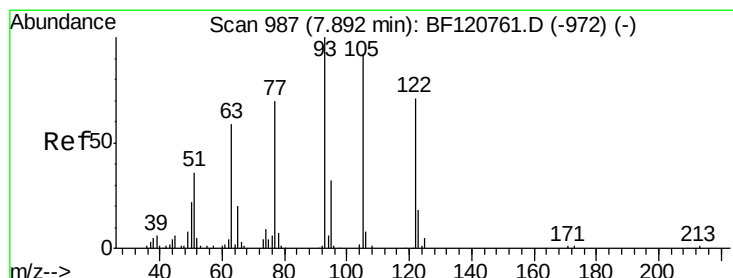
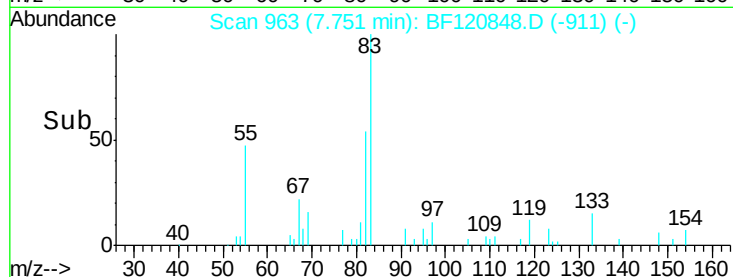
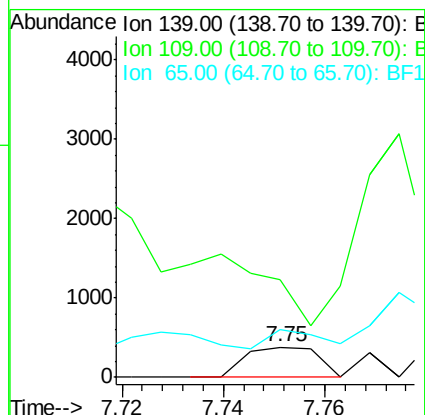
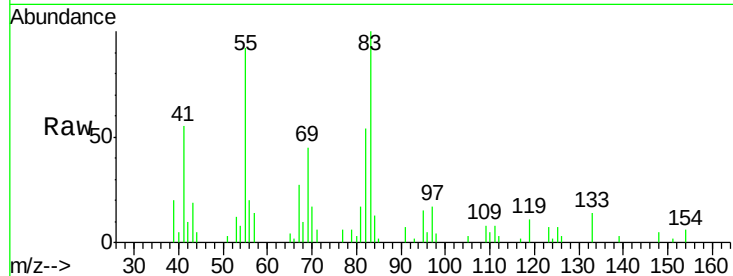




#26
2-Nitrophenol
Concen: 4.034 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

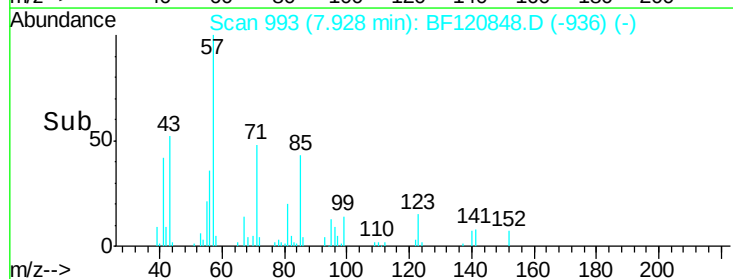
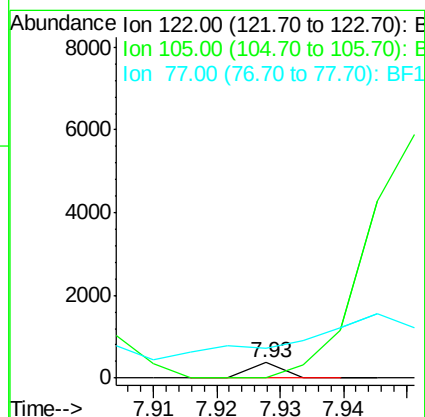
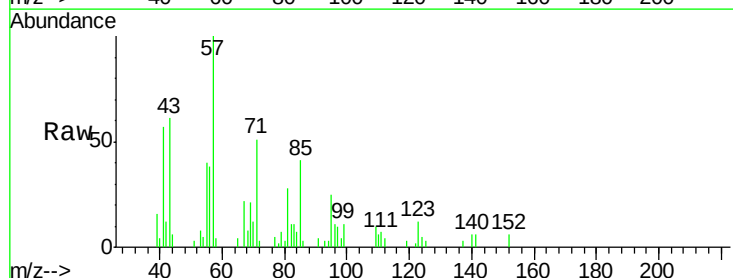
Instrument :
BNA_F
ClientSampleId :
EO-02-070920

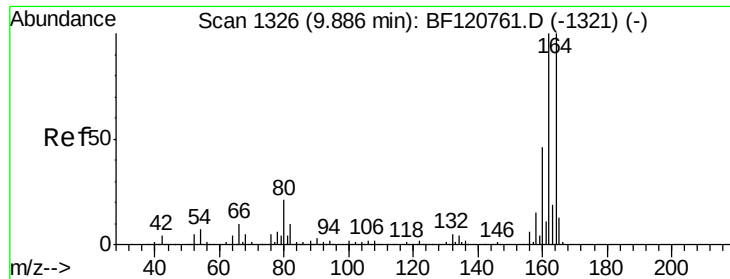
Tot Ion:139 Resp: 378
Ion Ratio Lower Upper
139 100
109 325.1 25.3 37.9#
65 158.7 46.2 69.2#



#32
Benzoic acid
Concen: 4.242 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.04 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:122 Resp: 133
Ion Ratio Lower Upper
122 100
105 0.0 105.8 145.8#
77 192.6 77.3 117.3#

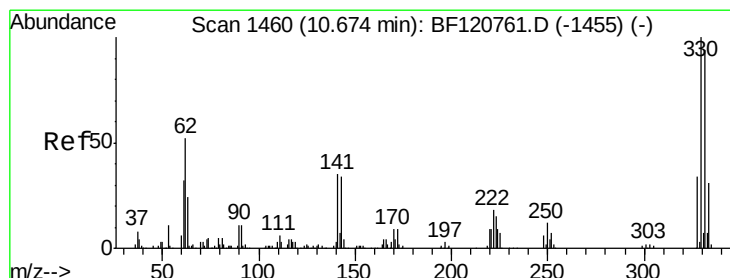
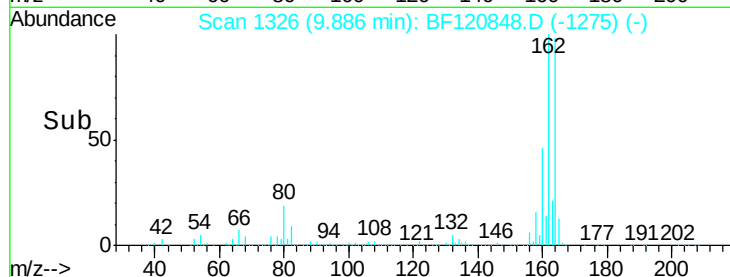
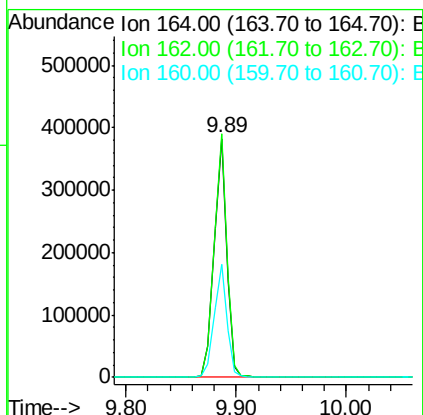
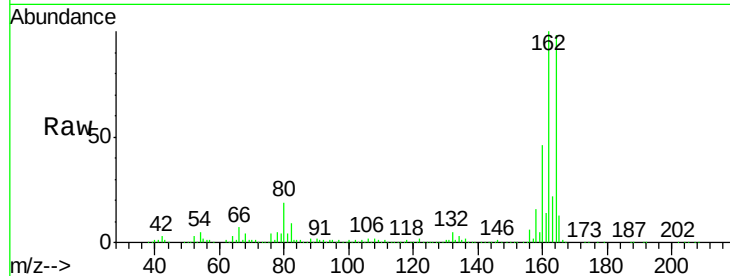




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

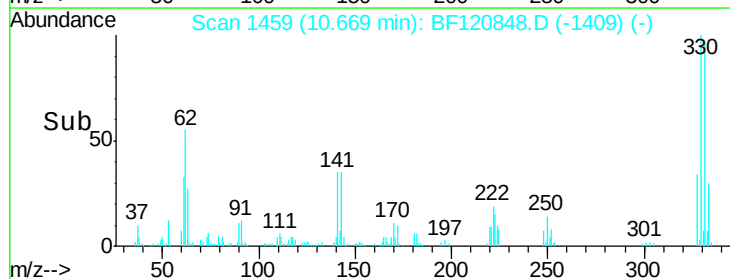
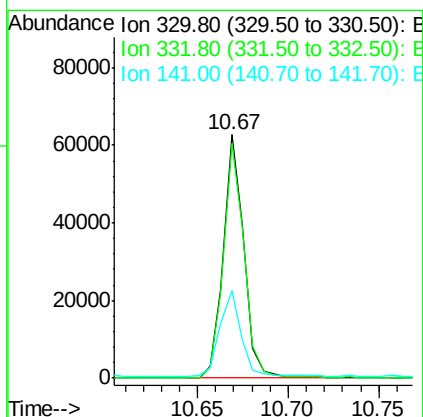
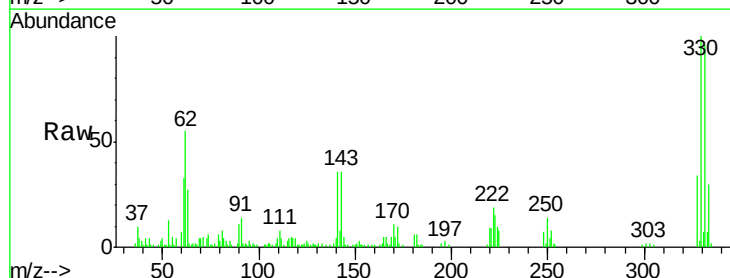
Instrument :
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 ClientSampleId :
 EO-02-070920

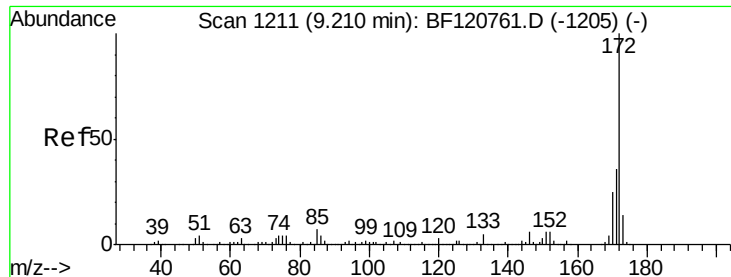
Tot Ion:164 Resp: 304241
 Ion Ratio Lower Upper
 164 100
 162 101.8 80.2 120.2
 160 47.3 36.9 55.3



#42
 2,4,6-Tribromophenol
 Concen: 16.172 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

Tgt Ion:330 Resp: 49430
 Ion Ratio Lower Upper
 330 100
 332 97.2 75.8 113.6
 141 36.6 29.7 44.5

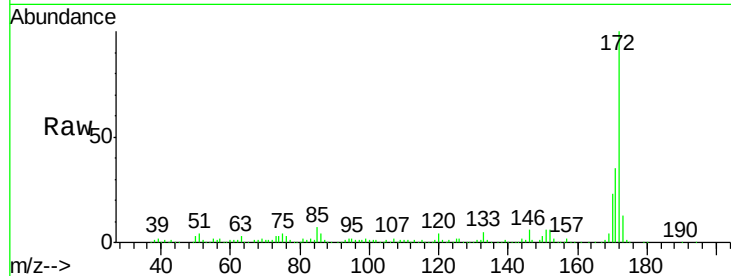




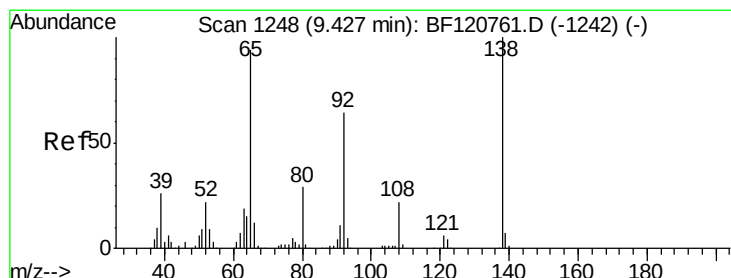
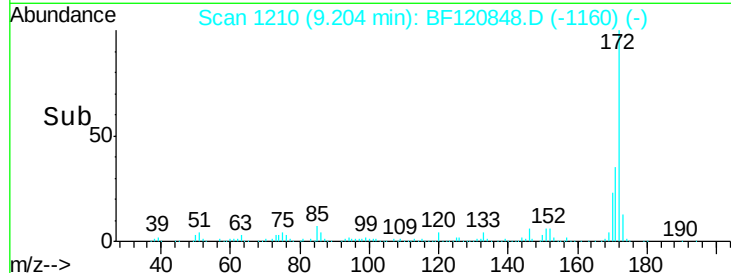
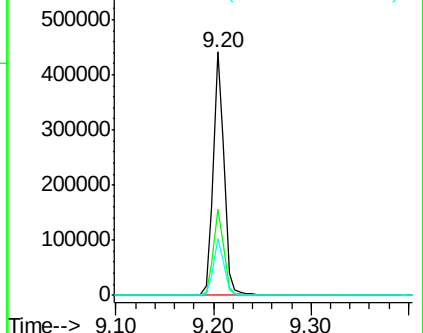
#45
 2-Fluorobiphenyl
 Concen: 17.018 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.1	43.7
170	23.3	19.8	29.6

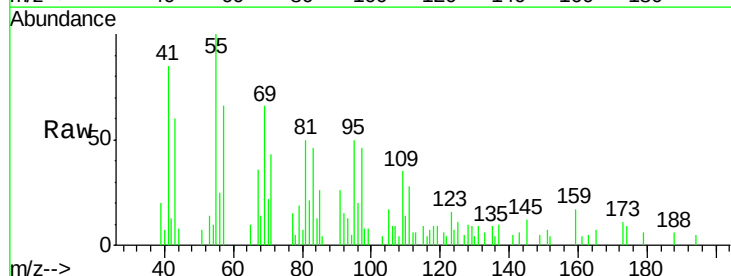


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

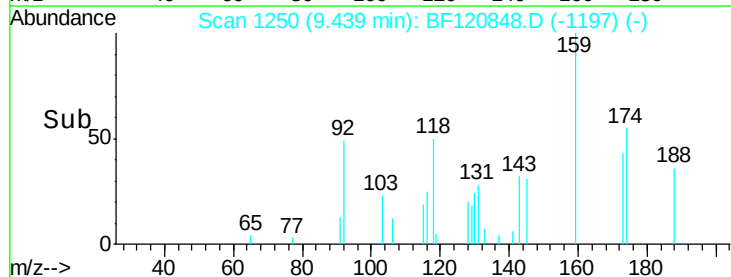
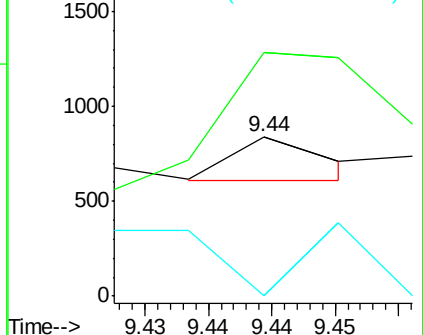


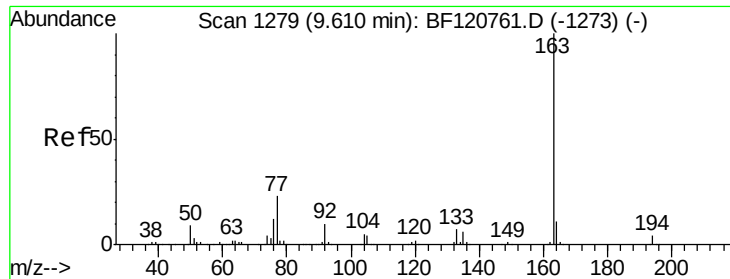
#48
 2-Nitroaniline
 Concen: 2.638 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

Tgt Ion	Ratio	Lower	Upper
65	100		
92	152.9	54.4	81.6#
138	0.0	84.7	127.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

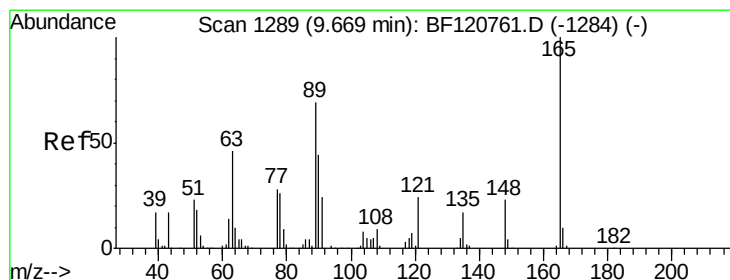
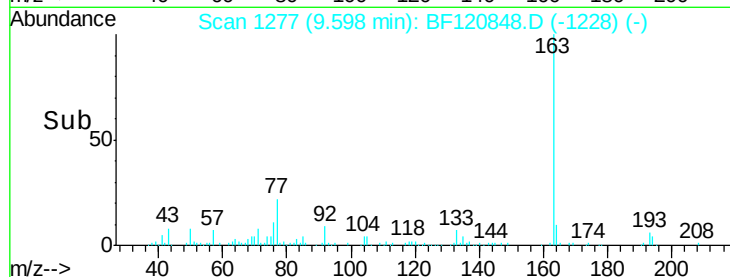
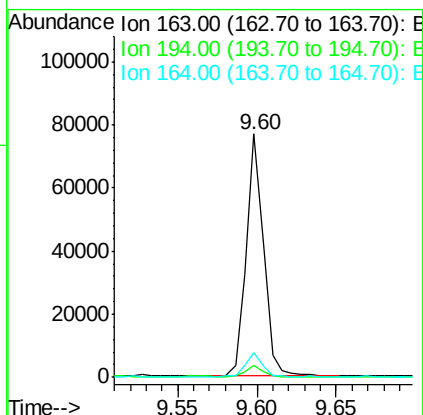
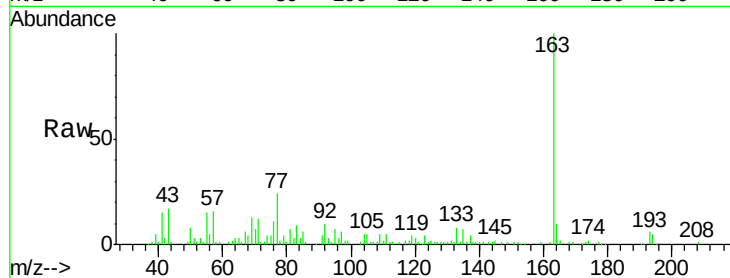




#50
Dimethylphthalate
Concen: 2.614 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

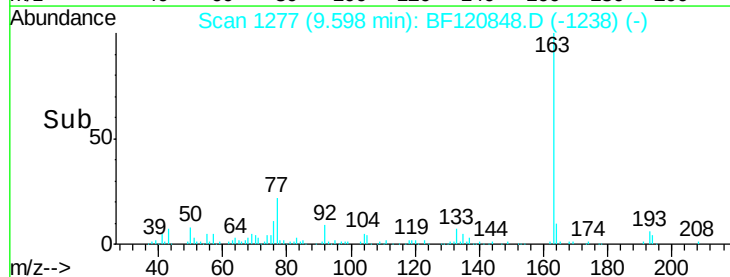
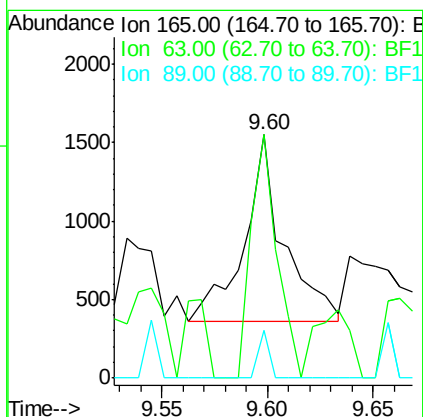
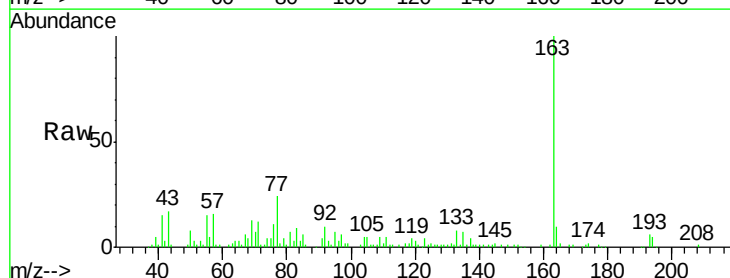
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ClientSampleId :
EO-02-070920

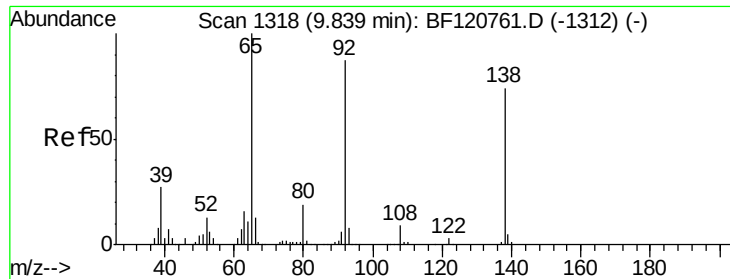
Tot Ion:163 Resp: 58006
Ion Ratio Lower Upper
163 100
194 4.8 2.9 4.3#
164 10.1 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 2.610 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.07 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:165 Resp: 1539
Ion Ratio Lower Upper
165 100
63 100.2 54.0 81.0#
89 19.5 55.4 83.2#

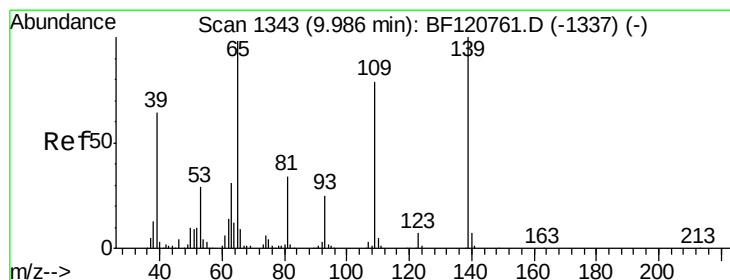
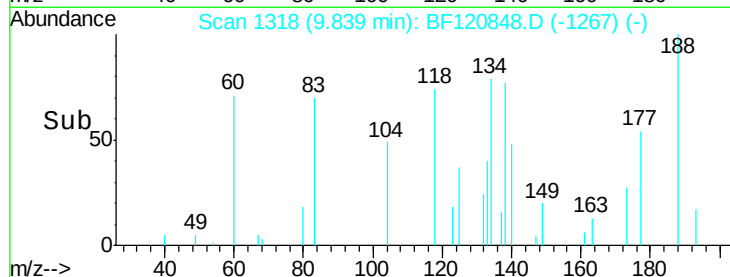
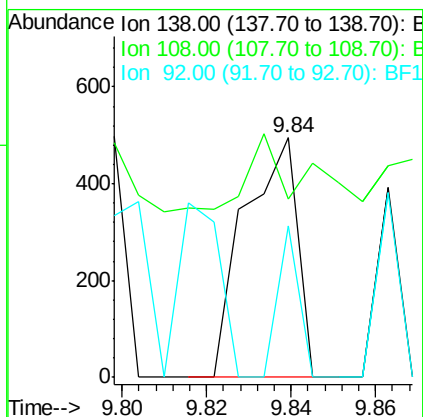
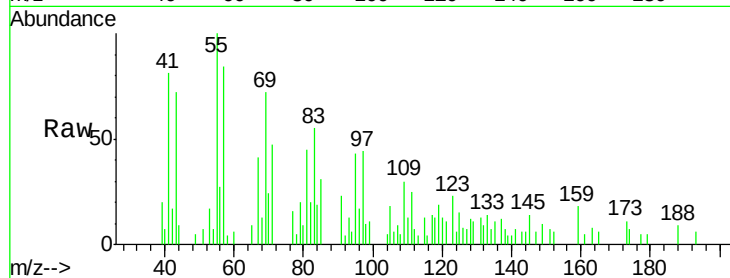




#53
3-Nitroaniline
Concen: 2.240 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

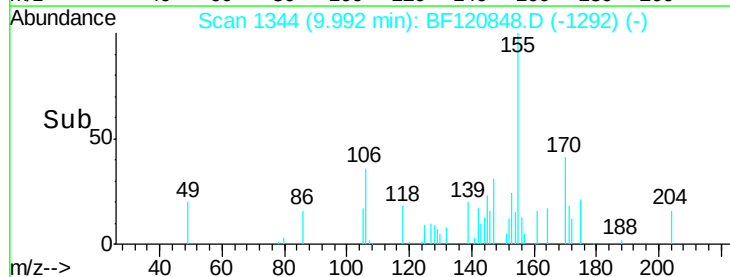
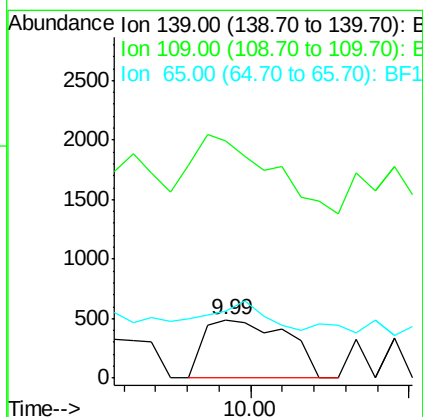
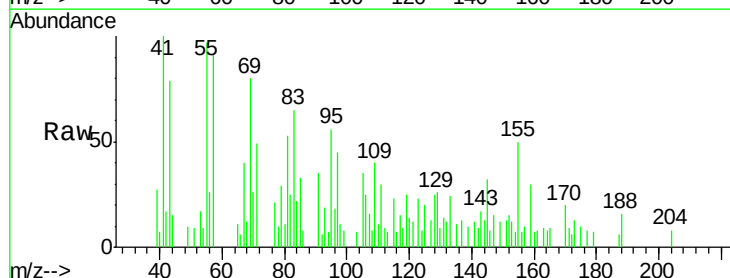
Instrument :
BNA_F
ClientSampleId :
EO-02-070920

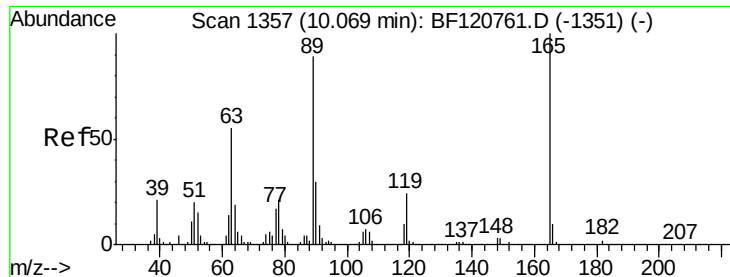
Tot Ion:138 Resp: 431
Ion Ratio Lower Upper
138 100
108 74.5 9.8 14.6#
92 63.6 93.4 140.2#



#56
4-Nitrophenol
Concen: 2.303 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:139 Resp: 884
Ion Ratio Lower Upper
139 100
109 408.2 58.6 98.6#
65 115.2 78.7 118.7





#57

2,4-Dinitrotoluene

Concen: 10.098 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.18 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

Tot Ion:165 Resp: 41231

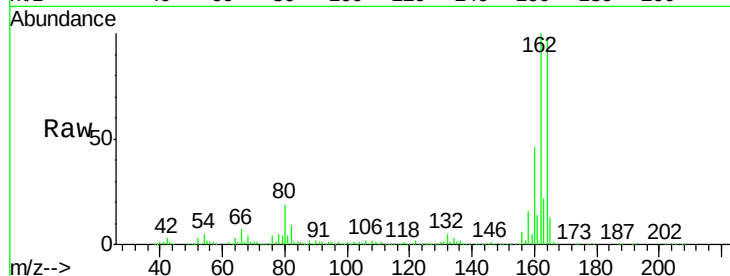
Ion Ratio Lower Upper

165 100

63 1.4 43.8 65.8#

89 1.4 71.4 107.2#

182 0.0 1.8 2.6#

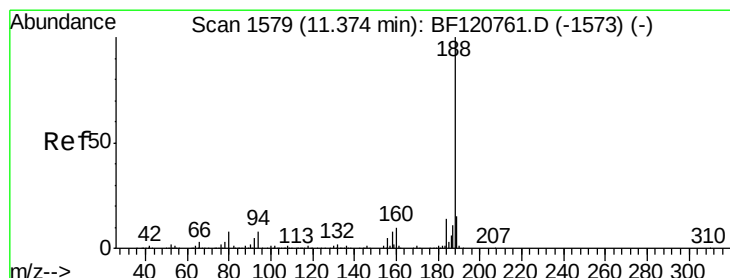
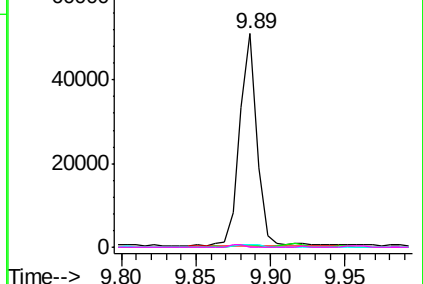
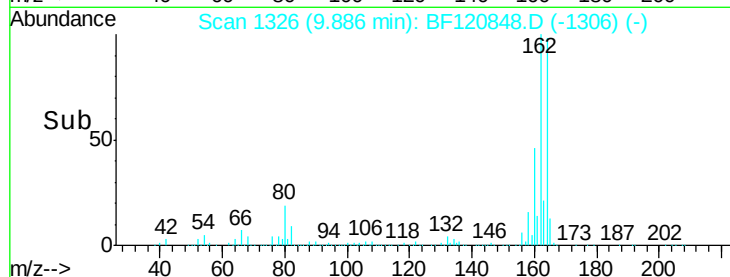


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

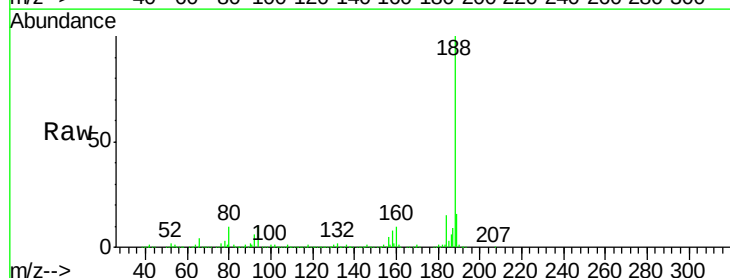
Tgt Ion:188 Resp: 471791

Ion Ratio Lower Upper

188 100

94 9.9 6.6 9.8#

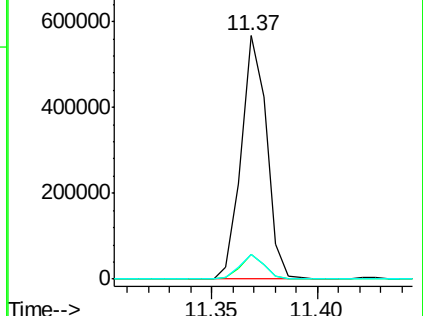
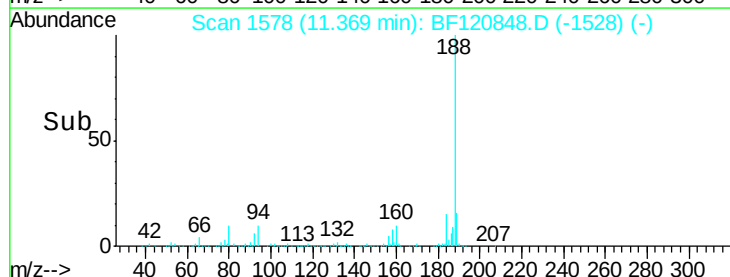
80 10.3 6.6 10.0#

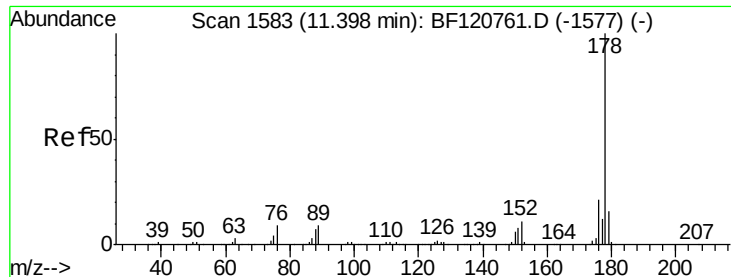


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.153 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

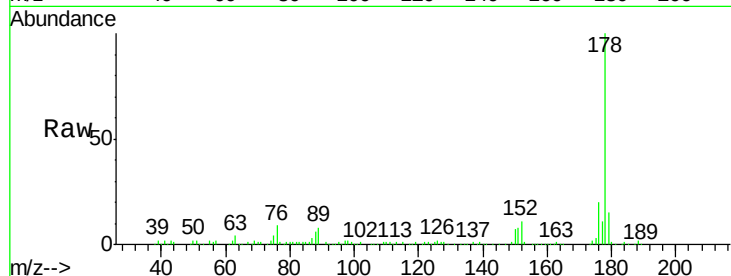
Tot Ion:178 Resp: 106308

Ion Ratio Lower Upper

178 100

176 20.1 16.4 24.6

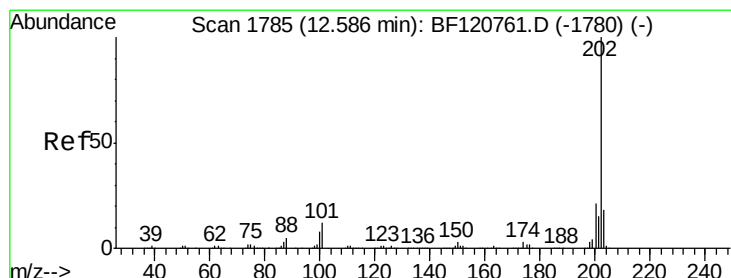
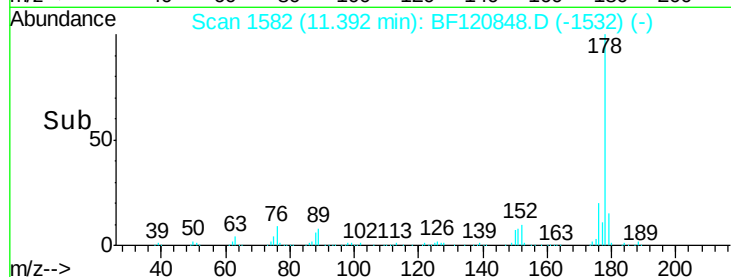
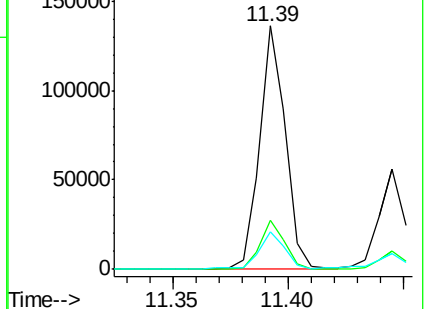
179 15.4 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.440 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

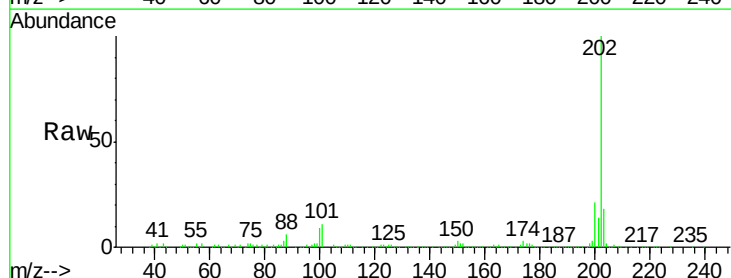
Tgt Ion:202 Resp: 202879

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.6

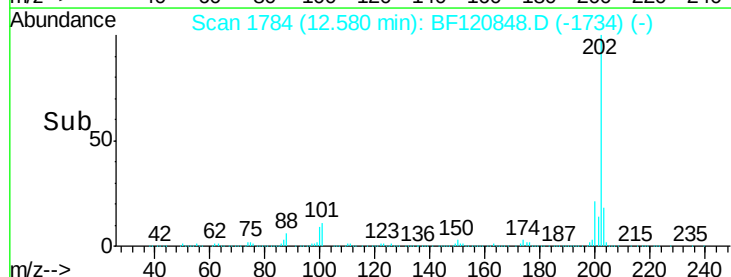
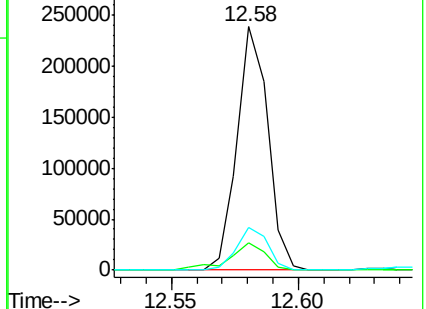
203 17.8 0.0 38.2

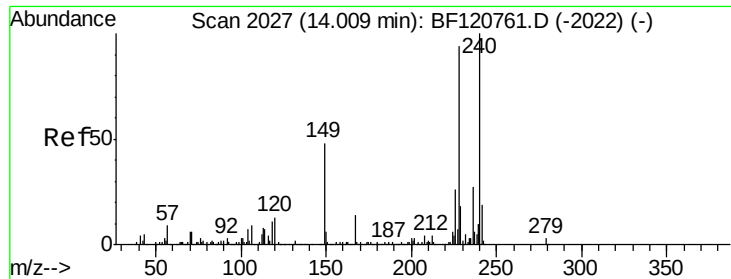


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

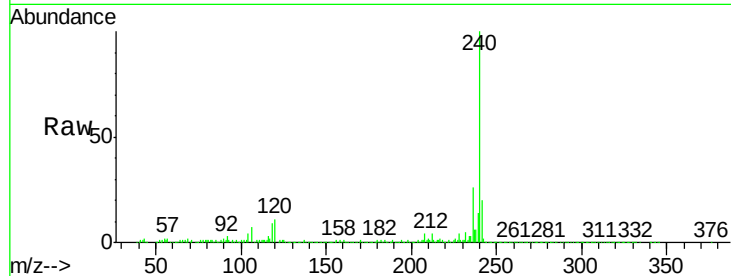




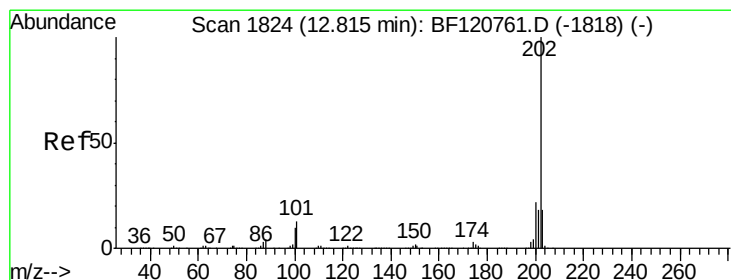
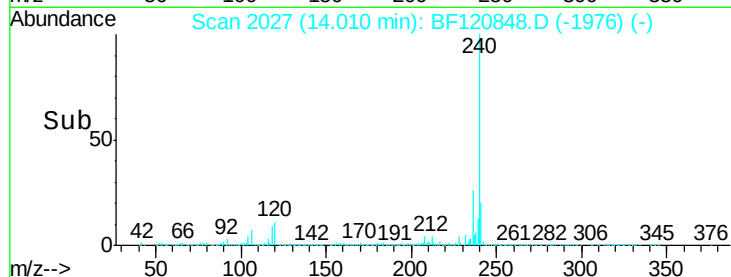
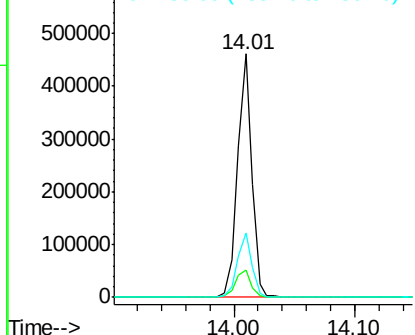
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

Tot Ion:240 Resp: 379234
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 26.5 21.4 32.2

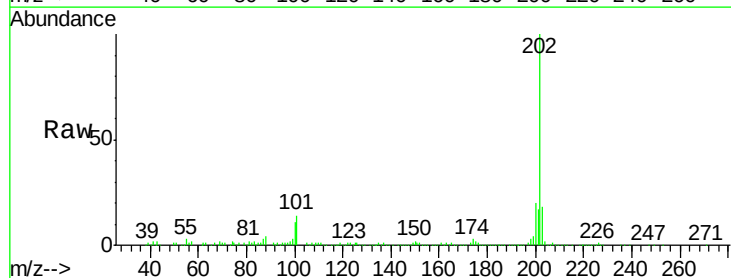


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

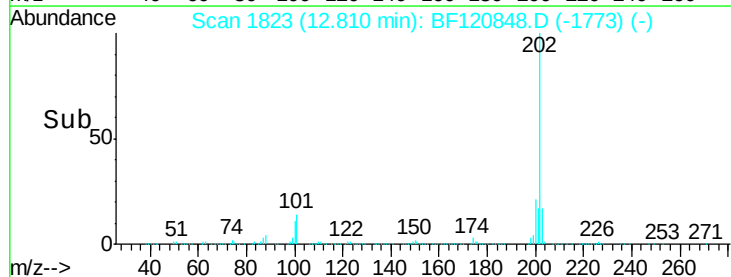
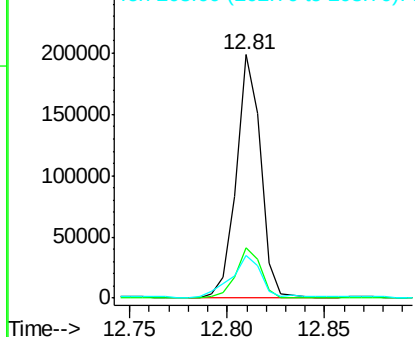


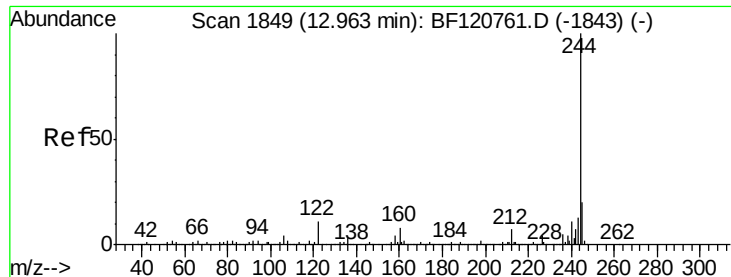
#78
Pyrene
Concen: 5.648 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:202 Resp: 171053
Ion Ratio Lower Upper
202 100
200 20.5 17.3 25.9
203 17.6 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

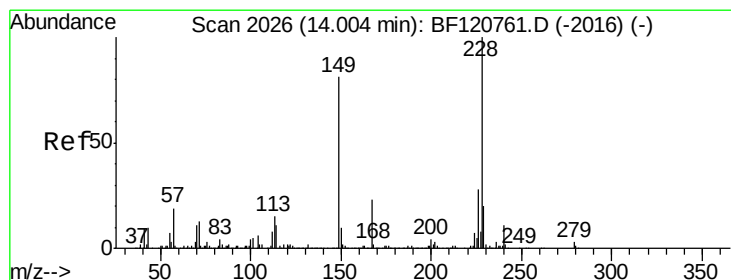
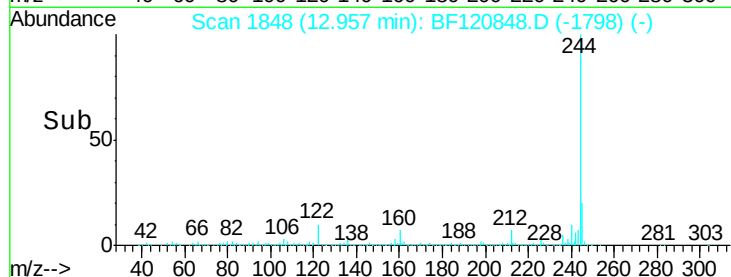
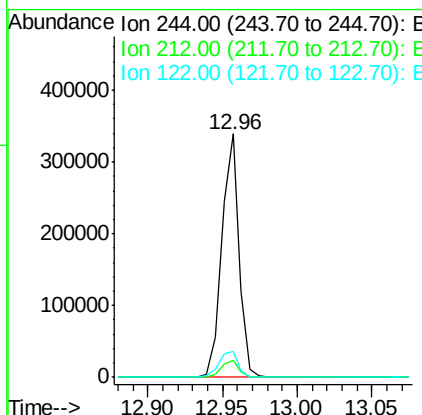
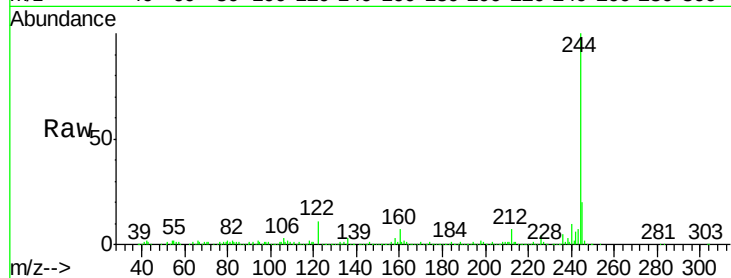




#79
 Terphenyl-d14
 Concen: 14.253 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

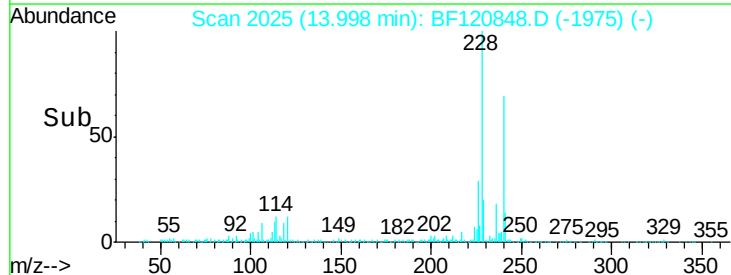
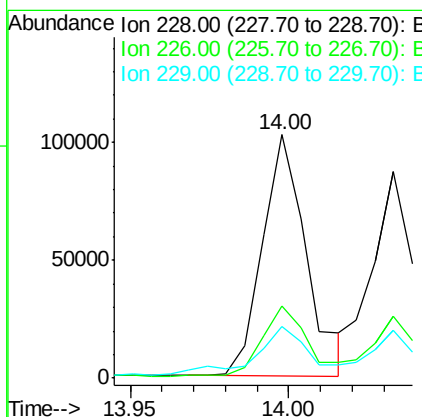
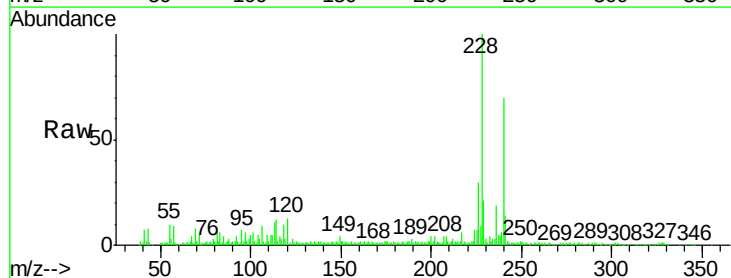
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

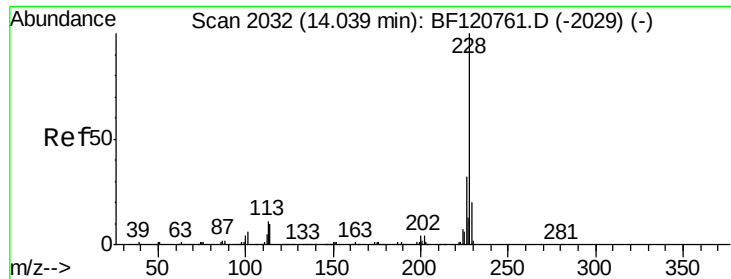
Tot Ion:244 Resp: 276074
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 10.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 4.067 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF120848.D
 Acq: 10 Jul 2020 23:31

Tgt Ion:228 Resp: 98856
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.6 33.8
 229 21.2 15.8 23.6

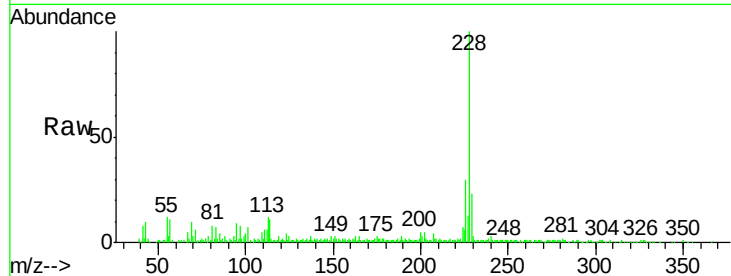




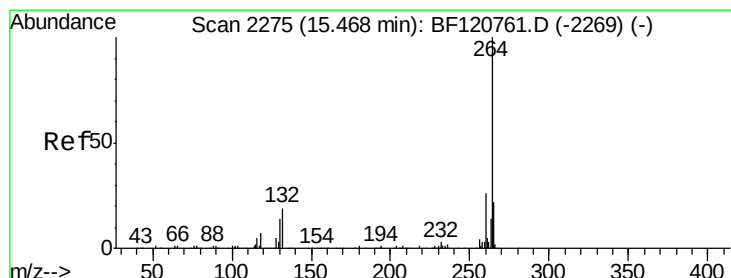
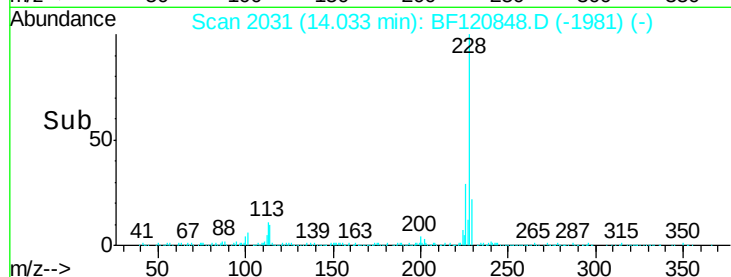
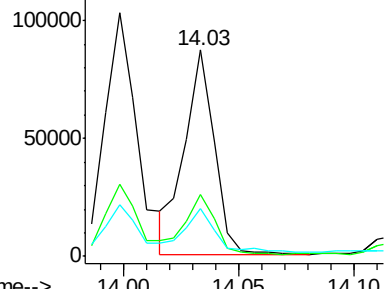
#83
Chrysene
Concen: 3.114 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

Tot Ion:228 Resp: 77212
Ion Ratio Lower Upper
228 100
226 30.1 25.7 38.5
229 22.9 16.3 24.5

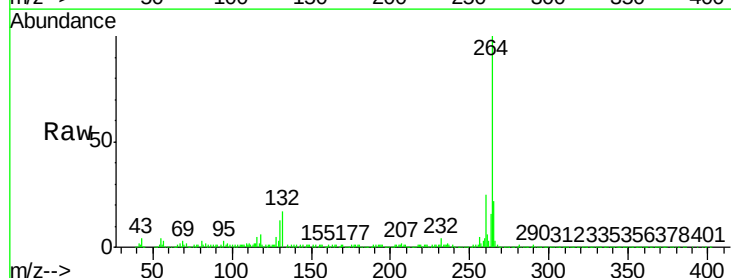


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

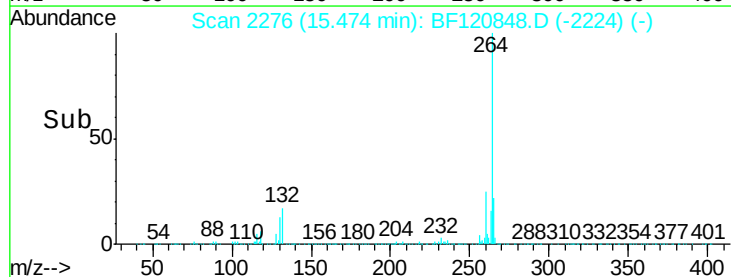
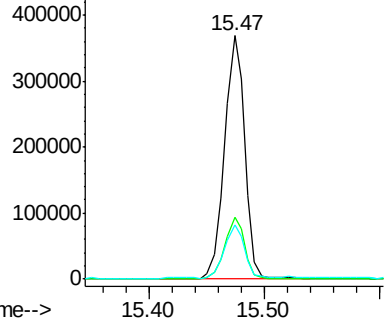


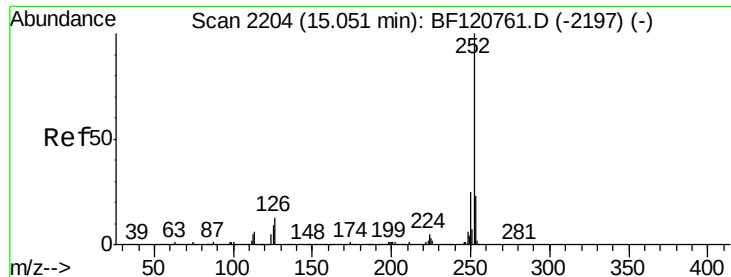
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion:264 Resp: 447542
Ion Ratio Lower Upper
264 100
260 25.2 20.6 30.8
265 22.4 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

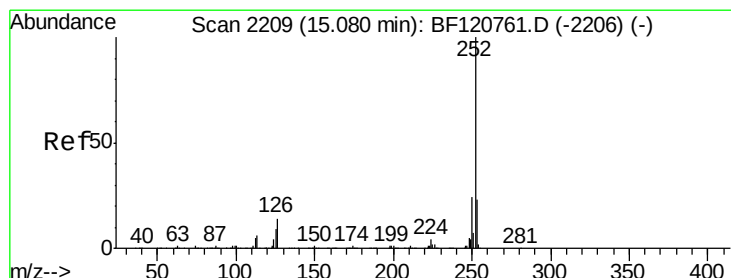
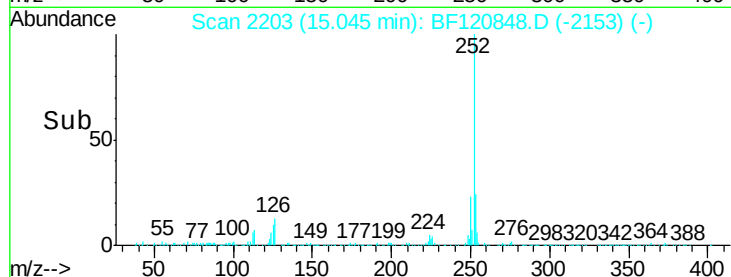
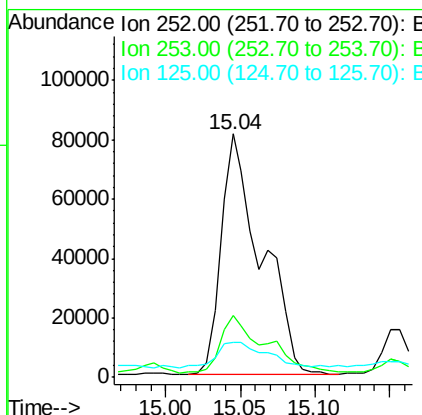
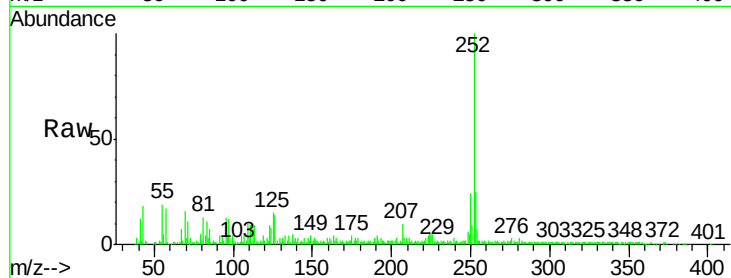




#88
Benzo(b)fluoranthene
Concen: 5.171 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

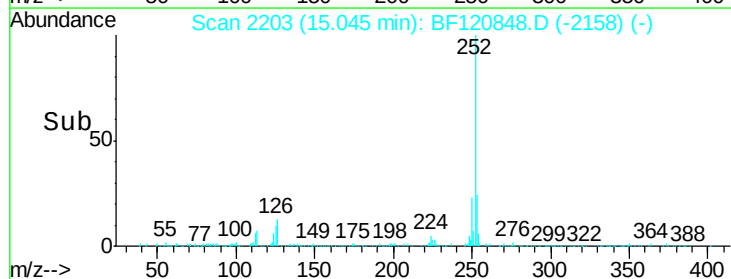
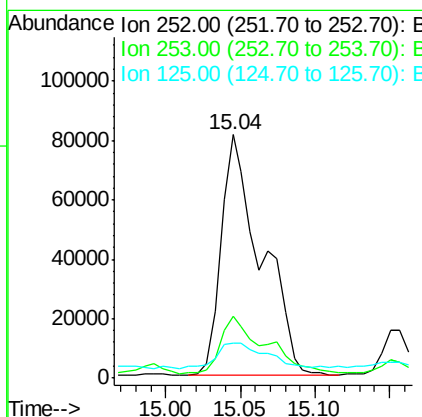
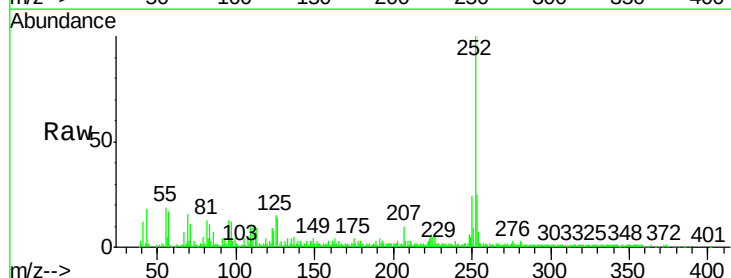
Instrument :
BNA_F
ClientSampleId :
EO-02-070920

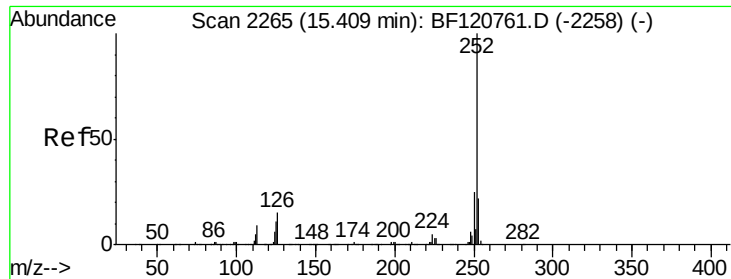
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	14.6	7.5	11.3#



#89
Benzo(k)fluoranthene
Concen: 5.314 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF120848.D
Acq: 10 Jul 2020 23:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	14.6	7.6	11.4#





#90

Benzo(a)pyrene

Concen: 3.220 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.00 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

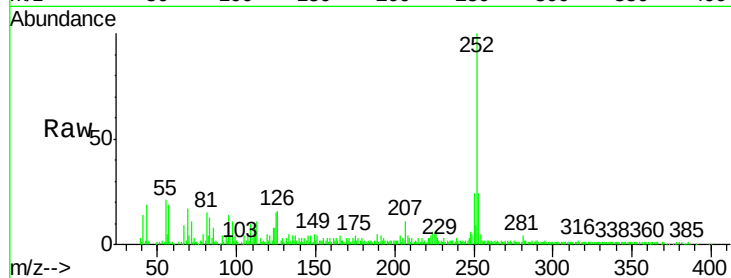
Tot Ion:252 Resp: 84525

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

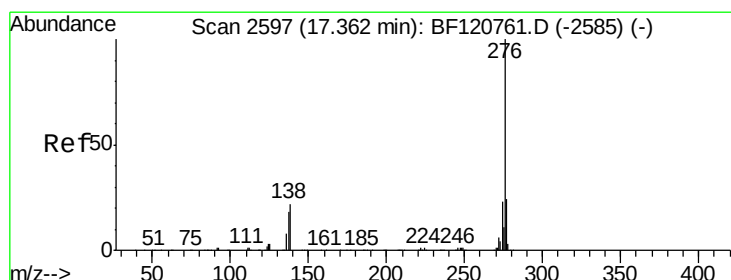
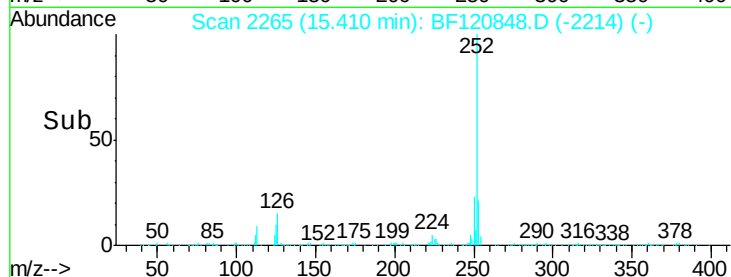
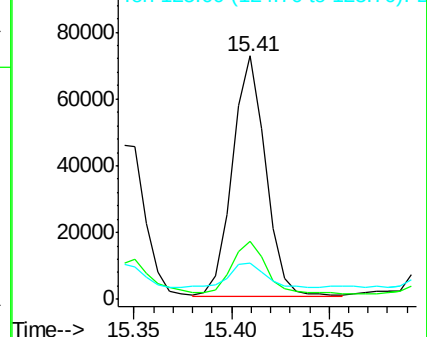
125 15.1 9.2 13.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.152 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BF120848.D

Acq: 10 Jul 2020 23:31

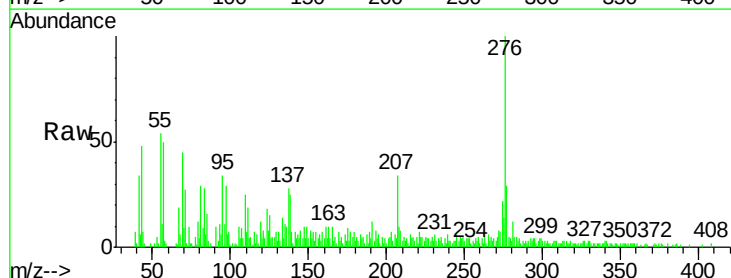
Tgt Ion:276 Resp: 47060

Ion Ratio Lower Upper

276 100

277 28.7 18.8 28.2#

138 25.2 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

